If you are using a printed copy of this procedure, and not the on-screen version, then you MUST make sure the dates at the bottom of the printed copy and the on-screen version match. The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ Training Office, Bldg. 911A

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.22.f AGS Chipmunk Tests

C-A-OPN	M Procedures in w	which this Attachmen	t is used.
4.120.22			
	Hand Pr	ocessed Changes	
HPC No.	<u>Date</u>	Page Nos.	<u>Initials</u>
		Signature on F er-Accelerator Depar	

1

4.120.22.f AGS Chipmunk Tests

PASS ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title:	Checksum:
Division B Software Filename and Checksum: Title:	Checksum:
Initial testing complete:	
Test Team Leader's Name (Print):	Life Number:
Test Team Leader's Name (Sign):	Date:/
A contain a test much desire consider (fallowing maning and matering if meaning)	
Acceptance test procedure complete (following repairs and retesting if required)	
Test Team Leader's Name (Print):	_ Life Number:
Test Team Leader's Name (Sign):	Date:/
Test Team Deader 5 Name (orgn).	
Test results reviewed by:	
Safety Section Head's Name (Print):	_ Life Number:
Safety Section Head's Name (Sign):	Date:/
Test results accepted by Radiation Safety Committee:	
RSC Member's Name (Print):	Life Number:
RSC Member's Name (Sign):	Data. / /
VOC Meninel 2 Manie (21811):	Date:/

1.1	1 Test of Chipmunk NMO 46 located in 913 D Fan House			
		VERIFY	Chipmunk calibration date [/] is	VALID
		VERIFY	Chipmunk is in good physical condition and is	CHIRPING
		VERIFY	MCR sees Opto monitor Chipmunk NMO 46	O.K.
		Piacon		
	_	DISCON	NMO 46 from Security interface box for failsafe test	INN OCK
		VERIFY RESET	MCR sees at Opto monitor NMO 46	IN'LOCK
		VERIFY	NMO 46 from MCR Opto monitor MCR sees NMO 46	OK
	ы	V EXXII I		
		PRESS	Trip button on chipmunk NMO 46	
		VERIFY	MCR sees at Opto monitor NMO 46	IN'LOCK
		RESET	NMO 46 from MCR Opto monitor	
		VERIFY	MCR sees NMO 46	OK
		Check for a	cceptance of Test Chipmunk NMO 46 located in 913 D Fan House	
1.0		T (COL		
1.2		Test of Chip	munk NMO 57 located in 913 C Fan House	
		VERIFY	Chipmunk calibration date [/] is	VALID
		VERIFY	Chipmunk is in good physical condition and is	CHIRPING
		VERIFY	MCR sees Opto monitor Chipmunk NMO 57	O.K.
		DISCON	NMO 57 from Security interface box for failsafe test	
		VERIFY	MCR sees at Opto monitor NMO 57	IN'LOCK
	_	RESET	NMO 57 from MCR Opto monitor	OW
		VERIFY	MCR sees NMO 57	OK
		PRESS	Trip button on chipmunk NMO 57	
		VERIFY	MCR sees at Opto monitor NMO 57	IN'LOCK
		RESET	NMO 57 from MCR Opto monitor	
		VERIFY	MCR sees NMO 57	OK
		Check for a	cceptance of Test Chipmunk NMO 57 located in 913 C Fan House	
1.3		Test of Chip	munk NMO 56 located in 913 B Fan House	
	_	VEDIEV		VALID.
		VERIFY	Chipmunk calibration date [/] is Chipmunk is in good physical condition and is	VALID
		VERIFY VERIFY	MCR sees Opto monitor Chipmunk NMO 56	CHIRPING O.K.
		VERIFI	Wek sees Opto momeor Compinant NWO 30	O.K.
		DISCON	NMO 56 from Security interface box for failsafe test	
		VERIFY	MCR sees at Opto monitor NMO 56	IN'LOCK
		RESET	NMO 56 from MCR Opto monitor	A
		VERIFY	MCR sees NMO 56	OK
		PRESS	Trip button on chipmunk NMO 56	
		VERIFY	MCR sees at Opto monitor NMO 56	IN'LOCK
		RESET	NMO 56 from MCR Opto monitor	
		VERIFY	MCR sees NMO 56	OK
		Check for a	cceptance of Test Chipmunk NMO 56 located in 913 B Fan House	

1.4	Test of Chipmunk NMO 54 located on Siemens Rd West			
		VERIFY	Chipmunk calibration date [/] is	VALID
		VERIFY	Chipmunk is in good physical condition and is	CHIRPING
		VERIFY	MCR sees Opto monitor Chipmunk NMO 54	O.K.
	_			
		DISCON	NMO 54 from Security interface box for failsafe test	T 11 0 CT
		VERIFY	MCR sees at Opto monitor NMO 54	IN'LOCK
	_	RESET	NMO 54 from MCR Opto monitor	OIZ
		VERIFY	MCR sees NMO 54	OK
		PRESS	Trip button on chipmunk NMO 54	
		VERIFY	MCR sees at Opto monitor NMO 54	IN'LOCK
		RESET	NMO 54 from MCR Opto monitor	
		VERIFY	MCR sees NMO 54	OK
		Check for a	cceptance of Test Chipmunk NMO 54 located on Siemens Rd West	
1.5		Test of Chin	omunk NMO 55 located on Siemens Rd East	
		_		
		VERIFY	Chipmunk calibration date [/] is	VALID
		VERIFY	Chipmunk is in good physical condition and is	CHIRPING
		VERIFY	MCR sees Opto monitor Chipmunk NMO 55	O.K.
		DISCON	NMO 55 from Security interface box for failsafe test	
		VERIFY	MCR sees at Opto monitor NMO 55	IN'LOCK
		RESET	NMO 55 from MCR Opto monitor	
		VERIFY	MCR sees NMO 55	OK
		PRESS	Trip button on chipmunk NMO 55	
		VERIFY	MCR sees at Opto monitor NMO 55	IN'LOCK
		RESET	NMO 55 from MCR Opto monitor	
		VERIFY	MCR sees NMO 55	OK
		Check for a	cceptance of Test Chipmunk NMO 55 located on Siemens Rd East	
1.6		Test of Chin	omunk NMO 51 located at FEB Gate 2 East	
200		_		
		VERIFY	Chipmunk calibration date [/] is	VALID
		VERIFY	Chipmunk is in good physical condition and is	CHIRPING
		VERIFY	MCR sees Opto monitor Chipmunk NMO 51	O.K.
		DISCON	NMO 51 from Security interface box for failsafe test	
		VERIFY	MCR sees at Opto monitor NMO 51	IN'LOCK
		RESET	NMO 51 from MCR Opto monitor	
		VERIFY	MCR sees NMO 51	OK
		PRESS	Trip button on chipmunk NMO 51	
		VERIFY	MCR sees at Opto monitor NMO 51	IN'LOCK
		RESET	NMO 51 from MCR Opto monitor	0.77
		VERIFY	MCR sees NMO 51	OK
		Check for a	cceptance of Test Chipmunk NMO 51 located at FEB Gate 2 East	

1.7	Test of Chipmunk NMO 78 located at FEB Gate 2 West			
		VERIFY VERIFY VERIFY	Chipmunk calibration date [/] is Chipmunk is in good physical condition and is MCR sees Opto monitor Chipmunk NMO 78	VALID CHIRPING O.K.
		DISCON VERIFY RESET	NMO 78 from Security interface box for failsafe test MCR sees at Opto monitor NMO 78 NMO 78 from MCR Opto monitor	IN'LOCK
		VERIFY	MCR sees NMO 78	OK
		PRESS VERIFY RESET	Trip button on chipmunk NMO 78 MCR sees at Opto monitor NMO 78 NMO 78 from MCR Opto monitor	IN'LOCK
		VERIFY	MCR sees NMO 78	OK
		Check for a	cceptance of Test Chipmunk NMO 78 located FEB Gate 2 West	
1.8		Test of Chip	munk NMO 22 located at North Shield Door	
		VERIFY	Chipmunk calibration date [/] is	VALID
		VERIFY VERIFY	Chipmunk is in good physical condition and is MCR sees Opto monitor Chipmunk NMO 22	CHIRPING O.K.
		DISCON	NMO 22 from Security interface box for failsafe test	
		VERIFY RESET	MCR sees at Opto monitor NMO 22 NMO 22 from MCR Opto monitor	IN'LOCK
		VERIFY	MCR sees NMO 22	OK
		PRESS	Trip button on chipmunk NMO 22	
		VERIFY RESET	MCR sees at Opto monitor NMO 22 NMO 22 from MCR Opto monitor	IN'LOCK
		VERIFY	MCR sees NMO 22	OK
		Check for a	cceptance of Test Chipmunk NMO 22 located at North Shield Door	
1.9		Test of Chip	munk NMO 24 located in D Line West Shield Top	
		VERIFY	Chipmunk calibration date [/] is	VALID
		VERIFY	Chipmunk is in good physical condition and is	CHIRPING
		VERIFY	MCR sees Opto monitor Chipmunk NMO 24	O.K.
		DISCON VERIFY	NMO 24 from Security interface box for failsafe test MCR sees at Opto monitor NMO 24	IN'LOCK
	ш	RESET	NMO 24 from MCR Opto monitor	IN LOCK
		VERIFY	MCR sees NMO 24	OK
	_	PRESS	Trip button on chipmunk NMO 24	DIN COV
		VERIFY RESET	MCR sees at Opto monitor NMO 24 NMO 24 from MCR Opto monitor	IN'LOCK
		VERIFY	MCR sees NMO 24	OK
		Check for a	cceptance of Test Chipmunk NMO 24 located in D Line West Shield	Тор

1.10	rest of C		
	VERIFY VERIFY VERIFY	Chipmunk calibration date [/] is Chipmunk is in good physical condition and is MCR sees Opto monitor Chipmunk NMO 48	VALID CHIRPING O.K.
	DISCON	NMO 48 from Security interface box for failsafe test	
	VERIFY	MCR sees at Opto monitor NMO 48	IN'LOCK
	RESET	NMO 48 from MCR Opto monitor	
	VERIFY	MCR sees NMO 48	OK
	PRESS	Trip button on chipmunk NMO 48	
	VERIFY	MCR sees at Opto monitor NMO 48	IN'LOCK
	RESET	NMO 48 from MCR Opto monitor	
	VERIFY	MCR sees NMO 48	OK
	Check for	acceptance of Test Chipmunk NMO 48 located at South Shiel	d Door
1.11		c acceptance of Test Chipmunk NMO 48 located at South Shiele Chipmunk NMO 31 located in South Wiring Tunnel	d Door
1.11	Test of C	Chipmunk NMO 31 located in South Wiring Tunnel Chipmunk calibration date [/] is	VALID
1.11	Test of C VERIFY VERIFY	Chipmunk NMO 31 located in South Wiring Tunnel Chipmunk calibration date [/] is Chipmunk is in good physical condition and is	VALID CHIRPING
1.11	Test of C	Chipmunk NMO 31 located in South Wiring Tunnel Chipmunk calibration date [/] is	VALID
1.11	Test of C VERIFY VERIFY	Chipmunk NMO 31 located in South Wiring Tunnel Chipmunk calibration date [/] is Chipmunk is in good physical condition and is MCR sees Opto monitor Chipmunk NMO 31 NMO 31 from Security interface box for failsafe test	VALID CHIRPING
1.11	Test of C VERIFY VERIFY VERIFY	Chipmunk NMO 31 located in South Wiring Tunnel Chipmunk calibration date [/] is Chipmunk is in good physical condition and is MCR sees Opto monitor Chipmunk NMO 31 NMO 31 from Security interface box for failsafe test MCR sees at Opto monitor NMO 31	VALID CHIRPING
1.11	Test of C VERIFY VERIFY VERIFY DISCON VERIFY RESET	Chipmunk NMO 31 located in South Wiring Tunnel Chipmunk calibration date [/] is Chipmunk is in good physical condition and is MCR sees Opto monitor Chipmunk NMO 31 NMO 31 from Security interface box for failsafe test MCR sees at Opto monitor NMO 31 NMO 31 from MCR Opto monitor	VALID CHIRPING O.K. IN'LOCK
1.11	Test of C VERIFY VERIFY VERIFY DISCON VERIFY	Chipmunk NMO 31 located in South Wiring Tunnel Chipmunk calibration date [/] is Chipmunk is in good physical condition and is MCR sees Opto monitor Chipmunk NMO 31 NMO 31 from Security interface box for failsafe test MCR sees at Opto monitor NMO 31	VALID CHIRPING O.K.
1.11	Test of C VERIFY VERIFY VERIFY DISCON VERIFY RESET VERIFY PRESS	Chipmunk NMO 31 located in South Wiring Tunnel Chipmunk calibration date [/] is Chipmunk is in good physical condition and is MCR sees Opto monitor Chipmunk NMO 31 NMO 31 from Security interface box for failsafe test MCR sees at Opto monitor NMO 31 NMO 31 from MCR Opto monitor MCR sees NMO 31 Trip button on chipmunk NMO 31	VALID CHIRPING O.K. IN'LOCK OK
1.11	Test of C VERIFY VERIFY VERIFY DISCON VERIFY RESET VERIFY PRESS VERIFY	Chipmunk NMO 31 located in South Wiring Tunnel Chipmunk calibration date [/] is Chipmunk is in good physical condition and is MCR sees Opto monitor Chipmunk NMO 31 NMO 31 from Security interface box for failsafe test MCR sees at Opto monitor NMO 31 NMO 31 from MCR Opto monitor MCR sees NMO 31 Trip button on chipmunk NMO 31 MCR sees at Opto monitor NMO 31 MCR sees at Opto monitor NMO 31	VALID CHIRPING O.K. IN'LOCK
1.11	Test of C VERIFY VERIFY VERIFY DISCON VERIFY RESET VERIFY PRESS	Chipmunk NMO 31 located in South Wiring Tunnel Chipmunk calibration date [/] is Chipmunk is in good physical condition and is MCR sees Opto monitor Chipmunk NMO 31 NMO 31 from Security interface box for failsafe test MCR sees at Opto monitor NMO 31 NMO 31 from MCR Opto monitor MCR sees NMO 31 Trip button on chipmunk NMO 31	VALID CHIRPING O.K. IN'LOCK OK

1.12	Test of Chipmunk NMO 19 located in Target Building East			
		VERIFY VERIFY VERIFY	Chipmunk calibration date [/] is Chipmunk is in good physical condition and is MCR sees Opto monitor Chipmunk NMO 19	VALID CHIRPING O.K.
		DISCON VERIFY RESET VERIFY	NMO 19 from Security interface box for failsafe test MCR sees at Opto monitor NMO 19 NMO 19 from MCR Opto monitor MCR sees NMO 19	IN'LOCK OK
		PRESS VERIFY RESET VERIFY	Trip button on chipmunk NMO 19 MCR sees at Opto monitor NMO 19 NMO 19 from MCR Opto monitor MCR sees NMO 19	IN'LOCK OK
		Cneck for a	cceptance of Test Chipmunk NMO 19 located in Target Building Ea	St
1.13		Test of Chi	pmunk NMO 49 located at North Conjunction Gate	
	_ \	VERIFY VERIFY VERIFY	Chipmunk calibration date [/] is Chipmunk is in good physical condition and is MCR sees Opto monitor Chipmunk NMO 49	VALID CHIRPING O.K.
	_ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	DISCON VERIFY RESET VERIFY	NMO 49 from Security interface box for failsafe test MCR sees at Opto monitor NMO 49 NMO 49 from MCR Opto monitor MCR sees NMO 49	IN'LOCK OK
	_ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	PRESS VERIFY RESET VERIFY	Trip button on chipmunk NMO 49 MCR sees at Opto monitor NMO 49 NMO 49 from MCR Opto monitor MCR sees NMO 49	IN'LOCK OK
		Check for a	cceptance of Test Chipmunk NMO 49 located at North Conjunction	Gate
1.14		Test of Chi	pmunk NMO 77 located outside North Conjunction Gate	
	_ \	VERIFY VERIFY VERIFY	Chipmunk calibration date [/] is Chipmunk is in good physical condition and is MCR sees Opto monitor Chipmunk NMO 77	VALID CHIRPING O.K.
	_ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	DISCON VERIFY RESET VERIFY	NMO 77 from Security interface box for failsafe test MCR sees at Opto monitor NMO 77 NMO 77 from MCR Opto monitor MCR sees NMO 77	IN'LOCK OK
	I	PRESS VERIFY	MCR sees NMO 77 Trip button on chipmunk NMO 77 MCR sees at Opto monitor NMO 77	IN'LOCK
	_ I	RESET VERIFY	NMO 77 from MCR Opto monitor MCR sees NMO 77	OK
		Cneck for a	cceptance of Test Chipmunk NMO 77 located outside North Conjun	cuon Gate

END OF TEST PROCEDURE

TTL: Sign for completion of initial testing:	
	Date://
TTL: Sign for completion of final testing:	
	Date: / /